

DAMOCLES

UNDERSTANDING AND MODELING COMPOUND CLIMATE AND WEATHER EVENTS

European COST Action CA17109

CASE STUDY

2018 summer and 2019 spring droughts in Lithuania

Case study aim and description

Describe the meteorological conditions of compound events formation in 2018 and 2019. Analysis of precipitation deficit effect on temperature extremes, vegetation, air quality and fire hazards.

Compound event types

2 Compound climate events will be analyzed:

- Summer 2018: heat + drought+air pollution+ fire hazard
- Spring 2019: heat + drought + fire hazard + air pollution+early frost

Stakeholders

- Met office
- Civil protection agency
- Ministry of Agriculture
- EPA

Method of collaboration

Stakeholders will actively participate in a workshop at the end of the project

Case study timeline

November 2019 - September 2021

Contacts

Case study coordinator: Dr. Edvinas Stonevičius:

Case study contributors: Dr. Egidijus Rimkus (chief climatologist; impact analysis));
Dr. D. Valiukas (drought analysis); V. Mačiulytė (heat and fire hazard analysis); L. Klimavičius (air pollution analysis)

References & resources